Organised By :
Information & Communications Technology
Special Interest Group (ICTSIG),IEM

Virtual Half Day Course On
Python Programming Fundamentals - Day 2
"More Python Concepts & Useful Tools"

Date : 26 Sept 2026 (Saturday)
Time : 09.00 am - 01.30 pm
Platform : Virtual, Zoom

BEM APPROVED CPD: 4 REF NO.: IEM26/HQ/452/C(w)

Speakers Line Up:

Ir. Suresh Kumar Kandasamy

Mr. Tulaisiram Naidoo

Closing Date : 24 Sept 2026

Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL	NORMAL FEE (By Email:Invoice & Quotation)
IEM Student	40	50
IEM Graduate Members	75	90
IEM Corporate Members	125	150
Non-IEM Members (Non of the Above	240	300

SYNOPSIS

This hands-on course provides participants with a comprehensive foundation in Python programming. Designed for learners with little or no prior programming experience, the program introduces fundamental programming concepts including Python syntax, variables, data types, operators, conditional statements, loops, functions, data structures, file handling, and basic version control using GitHub.

Participants will gain practical experience using industry-relevant tools such as Python, Visual Studio Code, and GitHub while developing and testing their own programs through guided exercises and mini-project activities. The course emphasizes logical thinking, problem-solving, and programming best practices that form the foundation for more advanced topics in artificial intelligence, data science, and software development.

By the end of the program, participants will be able to write, execute, and troubleshoot Python programs confidently while understanding the role of Python in modern digital technologies and Industry 4.0 initiatives.

The objectives of the course are:
i. To equip participants with a fundamental understanding of Python programming concepts, syntax, and programming logic.

ii. To develop participants' ability to create, test, and troubleshoot Python programs using practical coding exercises.

iii. To provide hands-on experience with Python development tools and basic version control practices using GitHub.

iv. To enable participants to apply programming concepts to solve real-world problems through guided projects and practical activities.
v. To establish a strong foundation for further learning in Artificial Intelligence, Data Science, Automation, and Software Development.

TIME	PROGRAMME
09.00am -09.10am	Welcoming Speech by Moderator ICTSIG
09:10am – 10:40am	Part 1: Loops, loop control, range() function, and built-in data types including lists, sets, tuples, and dictionaries.
10.40am - 11.00am	Break
11.00am - 12.30pm	Part 2: Functions, file handling, GitHub, Anaconda setup, and practical exercises combining loops and functions.
12.30pm - 1.00pm	Blooket quiz and two mini projects to reinforce the concepts covered.
1.00pm - 1.30pm	Q&A Session Closing Remarks by Moderator ICTSIG
1.30pm	End of Programme

BIODATA OF SPEAKER

Ir. Suresh Kumar Kandasamy

Ir. Suresh Kumar Kandasamy is a registered Professional Engineer with over 20 years of experience in the Telecommunication industry, specializing in Fiber Optics, RF Network Planning, Optimization, Network Implementation, Project Management, and Technical Vocational Education. He holds a Master of Science degree by Research from University Kebangsaan Malaysia, Faculty of Electrical, Electronics and System Engineering (2005), and a Bachelor's degree in Electrical and Electronics Engineering (Hons) from University Science of Malaysia (2000). He is also a Certified Trainer the Trainer (TTT) from HRDF.

Mr. Tulaisiram Naidoo

Mr. Tulaisiram Naidoo graduated from Universiti Putra Malaysia (UPM) with a Bachelor of Computer Science, majoring in Computer Networking, in 2023. He has experience conducting technical training programs for graduates through industry development initiatives and has facilitated multiple weekend-based courses focused on digital and technology skills development. His training approach emphasizes hands-on learning, practical problem-solving, and real-world applications to help participants build confidence in technical subjects.

REGISTRATION FORM

VIRTUAL HALF DAY COURSE ON
"PYTHON PROGRAMMING FUNDAMENTALS"
26 SEPT 2026 (SATURDAY) CLOSING DATE : 24 SEPT 2026
Email : nursyazliza@iem.org.my

Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL	NORMAL FEE (By Email:Invoice & Quotation)
IEM Student	40	50
IEM Graduate Members	75	90
IEM Corporate Members	125	150
Non-IEM Members (Non of the Above	240	300

NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
	Sub Total:	
	SST Added 8% :	
	Total Amount Payable :	

PAYMENT DETAILS :

☐ Cash RM_____

☐ Cheque no._____for the amount of RM_____(non-refundable) .

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS,** please note that payment **MUST** be made **BEFORE the closing date.** If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____Designation:_____

Name of Organization: _____

Address : _____

_____

Telephone No. : _____(O) _____

Company Registration No. : _____

Tax Identification (TIN no) : _____

Email :_____

_____ _____

Signature & Stamp Date